rmy Digital Training Conferenc
21- 22 Jan 03
ISC Support to Digital Trainin

By
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NSC INSTITUTIONS POC:
MAJ Gary Light
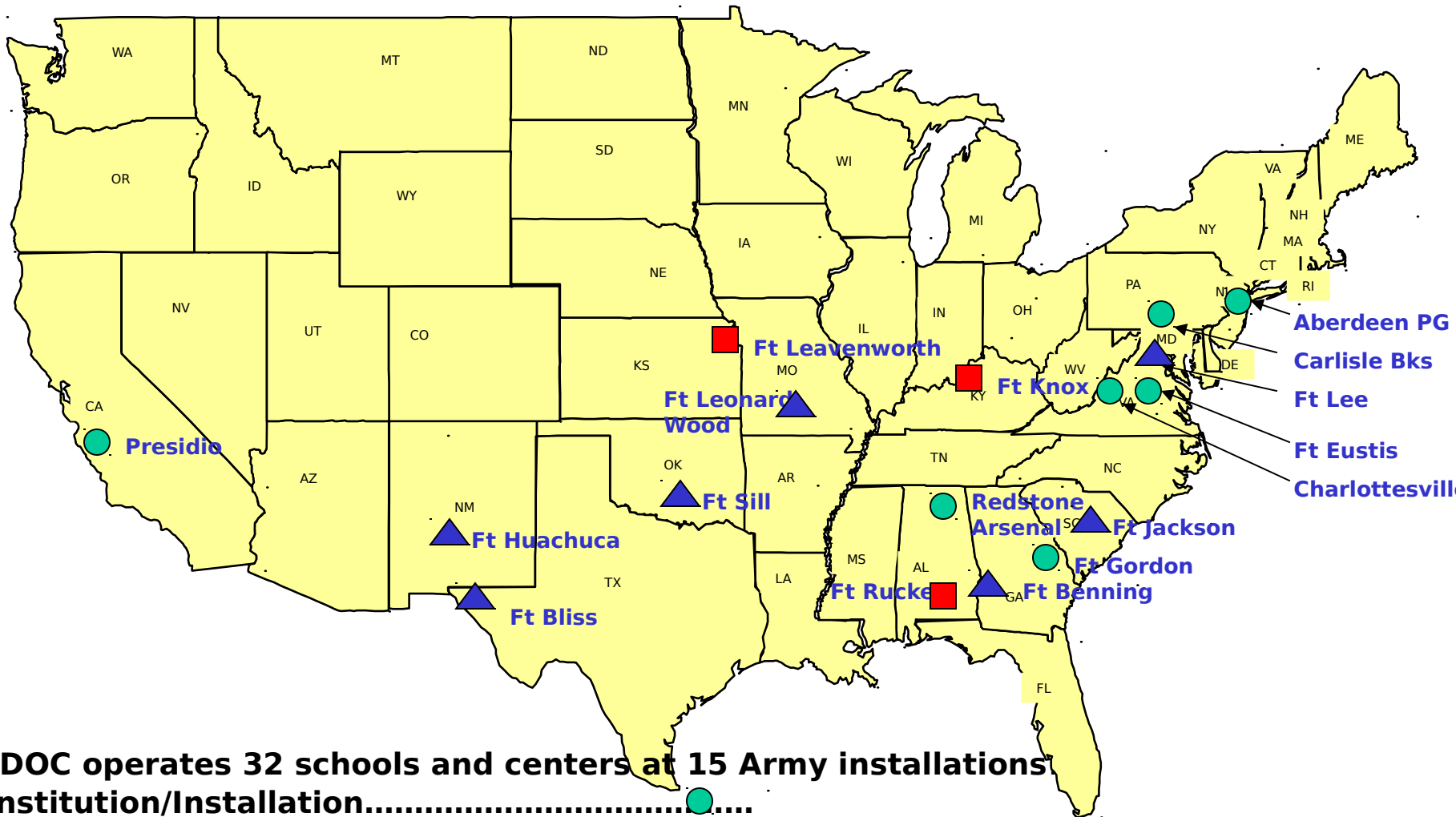(913) 684-8132
lightg@leavenworth.army.mil

Purpose

- Produce soldiers and leaders with the skills, knowledge and attributes needed to operate in a digital environment
- Train leaders to manage information and to make timely and correct decisions in a digital battlespace

- Develop a digital Battle Command Training Capability (BCTC) at institutions that supports and complements army training and satisfies the requirement as defined in the Army Digital Training Strategy

Current Simulation Capability*

Ft Leavenworth

Ft Leonard Wood

Ft Knox

Aberdeen PG

Carlisle Bks

Ft Lee

Ft Eustis

Charlottesville

Presidio

Ft Sill

Redstone Arsenal

Ft Jackson

Ft Huachuca

Ft Gordon

Ft Rucker

Ft Benning

Ft Bliss

TRADOC operates 32 schools and centers at 15 Army installations

Institution/Installation………………………………….

NSC Provided Simulation Capability…………….

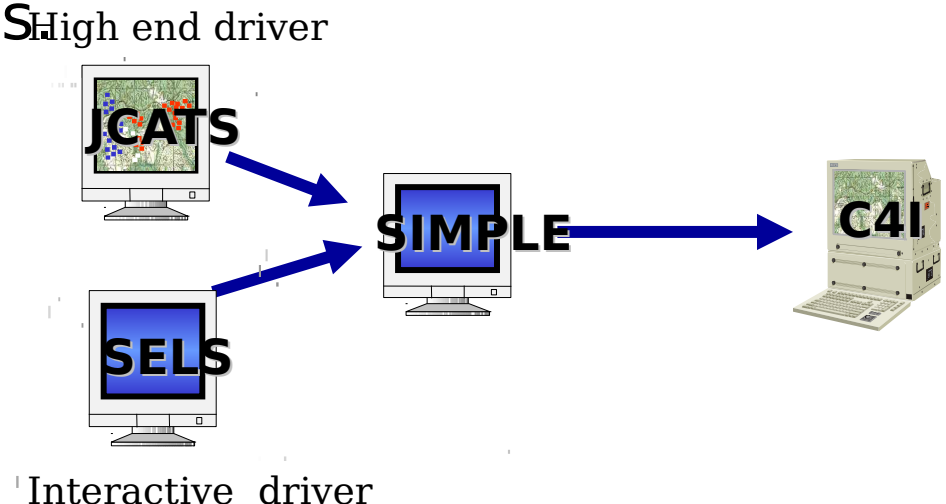**With Digital Simulation Stimulation Capability…..**

Current Capability at Institutions

- Digital Battlestaff Sustainment Trainer – Low Overhead Driver (DBST-LOD) is tailorable, employs a combination of simulation/playback, C4I interface designed to meet selected unit and staff training objectives.

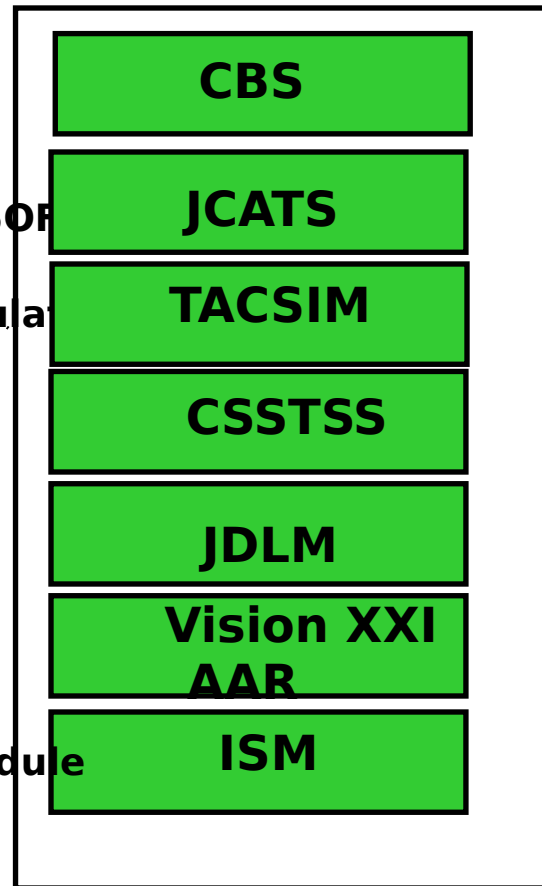- Only at three institutions.

- Footprint:
  - 2 Personnel
  - 3 PCs

High end driver

JCATS

SIMPLE

C4I

SELS

Interactive driver

Future Simulation Support for the Army
ARMY CONSTRUCTIVE TRAINING FEDERATION (ACTF) VERSION 1

- CBS – Div/Corps operations

- JCATS – High Res Combat (MOUT, SOF

- TACSIM – Intelligence trainer/simula

- CSSTSS – High Res Logistics

- JDLM – Logistics model beyond CBS/CSSTSS, especially useful for depicting Deployment operations

- Vision XXI – AAR tool

- ISM – Independent stimulation module

CBS

JCATS

TACSIM

CSSTSS

JDLM

Vision XXI AAR

ISM

Interfaces linked to C4ISR

- **Authorized configuration/ simulations**

- **Includes interfaces and tools**

- **Security accredited**
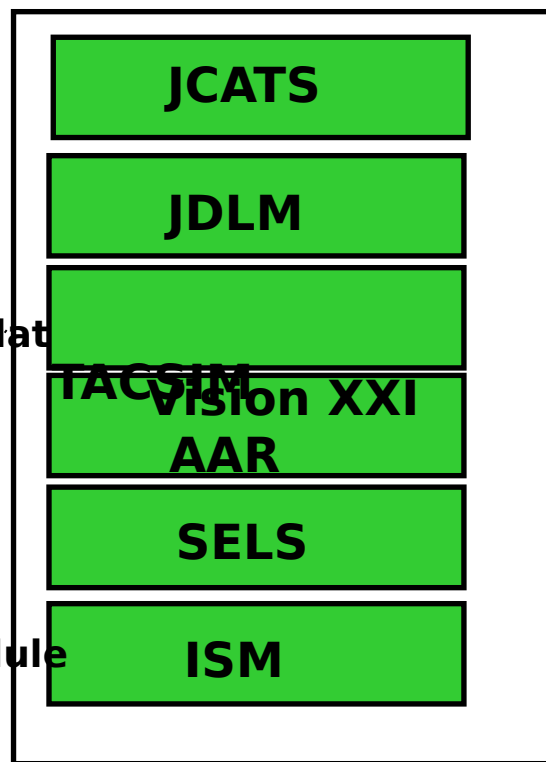
- **Fielding begins 3Q FY 04**

- **Links to live and virtual training**

- **Links to joint simulations**

Future Simulation Support for the Institutions
ARMY CONSTRUCTIVE TRAINING FEDERATION (ACTF) VERSION 1

• JCATS – High Res Combat (MOUT, SOF)

• JDLM - Logistics model especially useful for depicting deployment operations

• TACSIM – Intelligence trainer/simulator

• Vision XXI – AAR tool

• SELS – Allows modification of historical files for replay
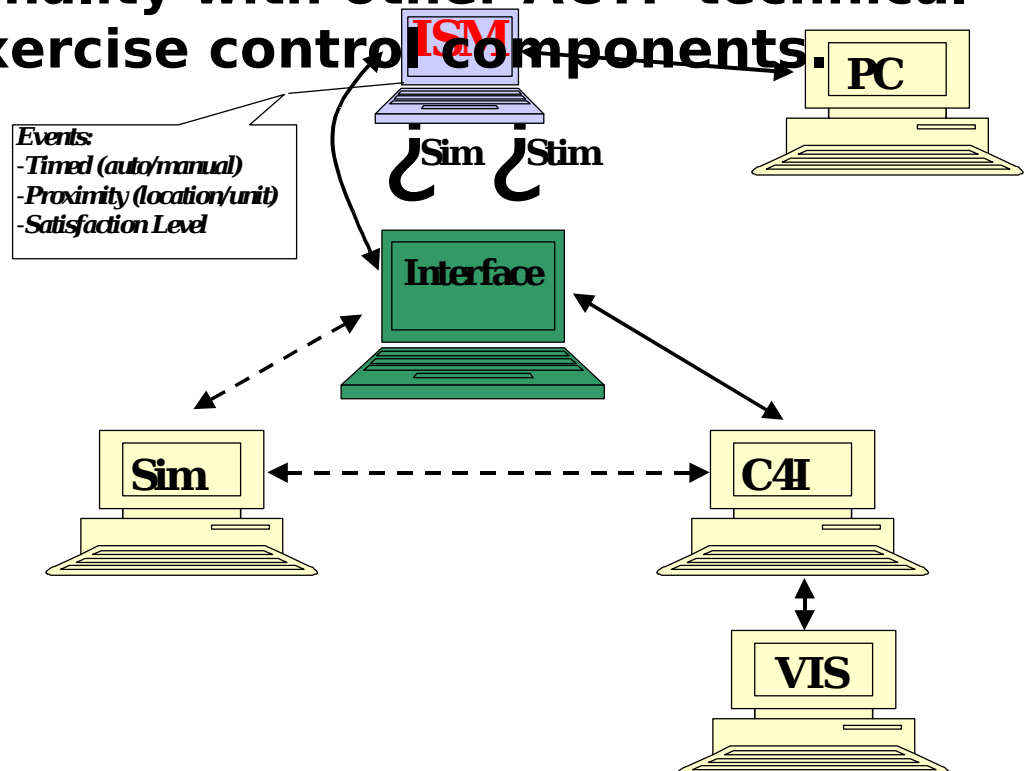
• ISM – Independent Simulation Module

JCATS

JDLM

TACSIM

Vision XXI AAR

SELS

ISM

Interfaces linked to C4ISR

• **Capable of supporting institutional training**

• **Authorized configuration/ simulations**

• **Includes interfaces and tools**

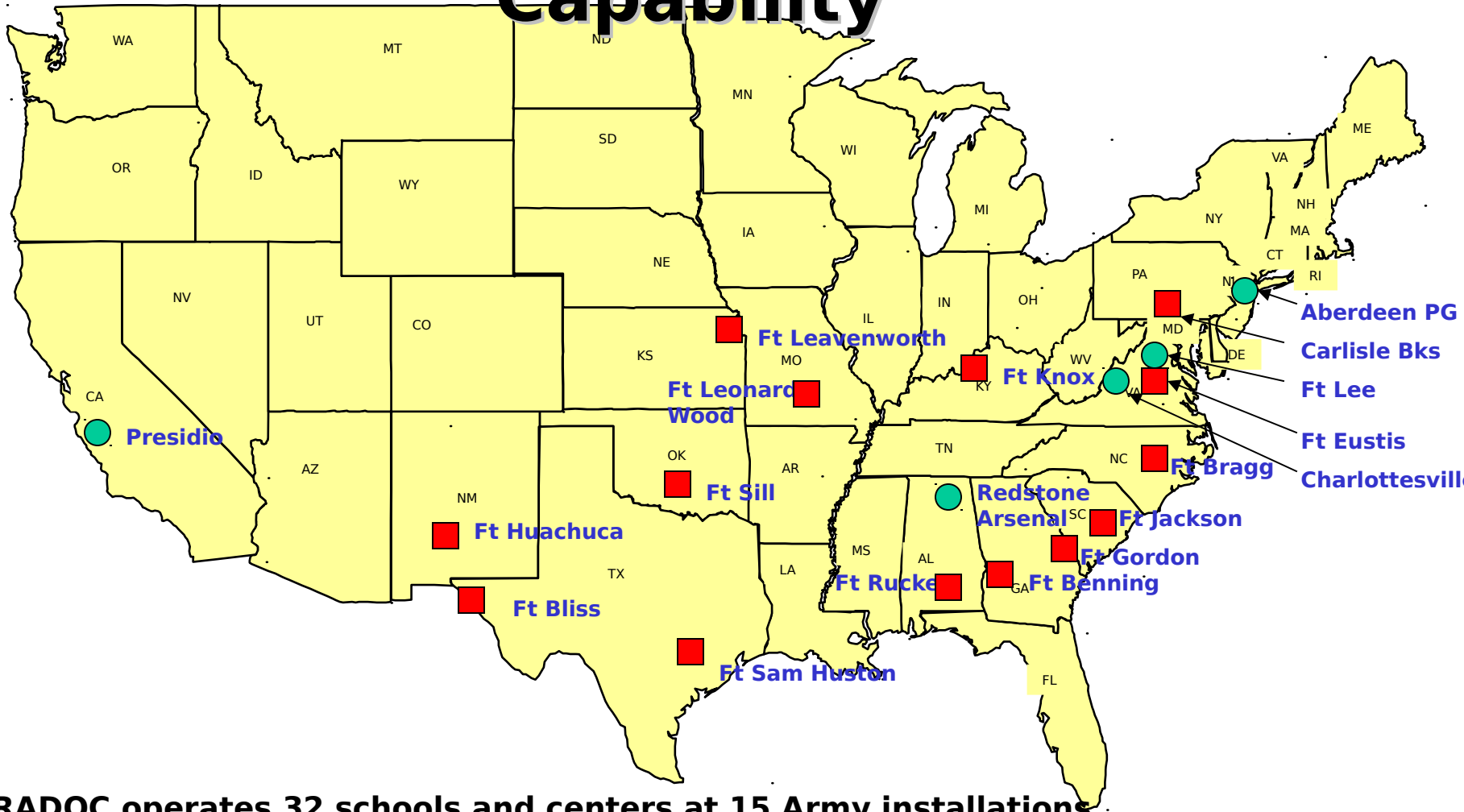• **Security accredited**

• **Tailorable**

ISM Architecture

- **Stimulate C4I systems with appropriate message traffic.**
- **Facilitate exercise conduct.**
- **Scalable: ISM – INTERFACE – SIMULATION - C4I.**
- **Operates at user level on existing unit equipment.**
- **Maximize commonality with other ACTF technical and Operational exercise control components.**
- **Footprint:**
  - **1 x Personnel**
  - **1 x PC (ISM)**

ISM

PC

Sim   Stim

Events:
-Timed (auto/manual)
-Proximity (location/unit)
-Satisfaction Level

Interface

Sim

C4I

VIS

Recommended Simulation Stimulation Capability

Ft Leavenworth
Ft Leonard Wood
Ft Sill
Ft Huachuca
Ft Bliss
Ft Sam Huston
Presidio
Redstone Arsenal
Ft Rucker
Ft Benning
Ft Gordon
Ft Jackson
Ft Bragg
Ft Knox
Aberdeen PG
Carlisle Bks
Ft Lee
Ft Eustis
Charlottesville

TRADOC operates 32 schools and centers at 15 Army installations.
Institution/Installation…………………………………………………●…..
With Digital Simulation Stimulation Capability …..■………..

Actions

- **Conducted *"Institutional Battle Command Training Capability – Resourcing for TRADOC Institutions"* study.**
- **Review and update results of above study in collaboration with Individual Training Directorate.**
- **Identify gaps.**
- **Work with Individual Training Directorate to synchronize IDEP money to support recommended solution.**
- **Obtain Individual Training Directorate Director approval.**
- **Present results at the next LVCTEPR (2-4 Mar 04)**

Questions

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BACKUP

TRADOC Schools/Installations

- **Adjutant General**
- **Airborne**
- **Air Defense Artillery**
- **Armor**
- **Army War College**
- **Aviation**
- **Aviation Logistics**
- **Chaplain**
- **Chemical**
- **Command and General Staff College**
- **Drill Sergeant School**
- **Engineer**
- **Field Artillery**
- **Finance**
- **Infantry**
- **Intelligence**
- **Logistics Management College**
- **Military Police**
- **Officer Candidate School**
- **Ordnance Mechanical Maintenance**
- **Ordnance Munitions and Electronics Maintenance**
- **Physical Fitness School**
- **Quartermaster**
- **Ranger**
- **Recruiting and Retention**
- **School of Advanced Military Studies**
- **School of Information Technology**
- **School of Materiel Packaging Technology**
- **Sergeants Major Academy**
- **Signal**
- **Transportation**
- **Warrant Officer Career Center**
- *Army Medical Department*
- *Army Special Operations Center*

- **Fort Jackson***
- **Fort Benning**
- **Fort Bliss***
- **Fort Knox***
- **Carlisle Barracks****
- **Fort Rucker***
- **Fort Eustis**
- **Fort Jackson***
- **Fort Leonard Wood***
- **Fort Leavenworth***
- **Forts Benning, Jackson and LWood**
- **Fort Leonard Wood***
- **Fort Sill***
- **Fort Jackson**
- **Fort Benning***
- **Fort Huachuca***
- **Fort Lee**
- **Fort Leonard Wood***
- **Fort Benning**
- **Aberdeen Proving Ground**
- **Redstone Arsenal**
- **Fort Benning**
- **Fort Lee**
- **Fort Benning**
- **Fort Jackson**
- **Fort Leavenworth***
- **Fort Gordon**
- **Aberdeen Proving Ground**
- **Fort Bliss***
- **Fort Gordon***
- **Fort Eustis***
- **Fort Rucker**
- *Ft Sam Huston**
- *Ft Bragg**

*   Included in study
** Requested capability but not included in

Current Tier One Sites

❖ **NSC**
❖ **Ft. Lewis (I Corps)**
❖ **Ft. Hood (III Corps)**
❖ **Ft Bragg (XVIII ABC)**
❖ **Germany (V Corps)**
❖ **Korea (8 Army)**

BST Low Overhead Driver Sites

DBST LOD Fielded Sites

- *Ft Knox*
- *Ft. Hood (III Corps)*
- *Ft McPherson (ARCENT)*
- *Ft Rucker(WOCC)*
- *Ft Bragg (ARSOC)*
- *CGSC (DLDC)*
- *Germany (Grafenwoehr)*
- *Germany (CMTC)*
- Korea
- Ft. Lewis (I Corps)
- Ft. Lewis (MSTF)
- Ft. Irwin (NTC)
- Ft. Polk (JRTC)
- Ft. Stewart
- Ft. Campbell
- Ft. Bragg
- Ft. Carson
- Ft. Drum

Authorized "Beta" Sites

Other Sites Requested

- Ft Sam Huston (AMEDD)
- Ft Bliss (USASMA)
- Ft Benning(USAIS)
- Ft Jackson(USACHCS)
- Ft Monmouth
- Carlisle Barracks (SSSC)
- Ft Leonard Wood
- Kirkland AFB (DOM)
- SBCT (172d)   (FY04)
- SBCT (2/25th ID)   (FY05)
- SBCT (56th BDE)   (FY05)